

BEAVER RIVER BASIN

10237000 BEAVER RIVER AT ADAMSVILLE, UT

LOCATION.--Lat 38°15'13", long 112°45'56", in NE¹/₄SW¹/₄ sec. 28, T. 29 S., R. 8 W., Beaver County, Hydrologic Unit 16030007, on right upstream wingwall of bridge on State Highway 21, 2.0 mi upstream from Indian Creek, and 1.6 mi east of Adamsville.

DRAINAGE AREA.--303 mi².

PERIOD OF RECORD.--December 1913 to current year. Monthly discharge only, October 1936 to October 1937, published in WSP 1314.

GAGE.--Water-stage recorder. Crest-stage gage since November 23, 1994. Elevation of gage is 5,550 ft above NGVD of 1929, from topographic map. Prior to September 15, 1936 water-stage recorder, September 15, 1936 to October 15, 1937 nonrecording gage, and October 16, 1937 to March 19, 1970 water-stage recorder about 1.7 mi downstream. March 20, 1970 to July 25, 1979 water-stage recorder 400 ft downstream. Sites prior to July 26, 1979 at different datums. July 26, 1979 to February 5, 1992 water-stage recorder 50 ft upstream at same datum.

REMARKS.--Records good except for daily discharges less than 2.0 ft³/s and estimated daily discharges, which are poor. One small diversion between station and Minersville Reservoir. Many diversions for irrigation upstream of station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,870 ft³/s, Jun 6, 1995, gage height 5.52 ft, from rating curve extended above 1,000 ft³/s; no flow during Aug and Sep 2002 at current site and some years when gage was 1.7 mi downstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 57 ft³/s, Feb 2, gage height, 4.17 ft; no flow on many days in Aug and Sep.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.24	42	40	39	e35	36	25	0.26	0.18	0.08	0.03	0.00
2	0.22	39	40	38	41	33	15	0.27	0.20	0.06	0.05	0.00
3	0.22	37	41	37	36	36	12	0.35	0.21	0.06	0.08	0.00
4	0.22	37	40	36	36	37	13	0.44	0.20	0.08	0.06	0.01
5	0.21	39	37	e35	35	36	13	0.57	0.20	0.07	0.05	0.00
6	0.21	40	37	e36	36	35	11	0.32	0.17	0.06	0.06	0.04
7	0.22	40	36	37	36	36	9.5	0.29	0.13	0.07	0.05	0.07
8	0.22	42	35	38	37	36	9.2	0.43	0.11	0.07	0.04	0.08
9	0.22	39	37	40	36	36	10	0.36	0.13	0.07	0.04	0.08
10	0.21	39	36	41	35	38	9.7	0.30	0.15	0.08	0.03	0.08
11	0.22	38	36	e38	37	37	10	0.31	0.14	0.10	0.04	0.10
12	0.24	36	35	e38	39	37	11	0.35	0.14	0.10	0.02	0.13
13	0.25	37	e35	e37	35	37	10	0.55	0.14	0.08	0.01	0.12
14	0.24	36	e37	36	37	38	11	0.45	0.13	0.09	0.00	0.10
15	9.4	34	e36	e35	40	35	2.9	0.43	0.13	0.10	0.00	0.09
16	16	35	e34	e34	43	35	0.66	0.31	0.13	0.11	0.00	0.10
17	20	35	e33	e30	42	36	0.69	0.37	0.12	0.13	0.00	0.11
18	20	35	e34	e32	38	35	0.77	0.34	0.12	0.14	0.00	0.11
19	21	34	e37	e34	37	34	0.72	0.23	0.13	0.11	0.00	0.12
20	20	33	39	e34	41	32	1.5	0.26	0.12	0.10	0.00	0.11
21	20	32	39	e34	42	30	1.4	0.26	0.13	0.08	0.00	0.11
22	24	35	37	34	40	29	1.2	0.24	0.14	0.08	0.00	0.11
23	27	34	37	e35	40	26	1.1	0.24	0.14	0.09	0.00	0.10
24	26	31	e36	e36	37	24	0.84	0.23	0.12	0.09	0.00	0.11
25	25	34	e37	e37	36	25	0.67	0.24	0.11	0.14	0.00	0.11
26	26	29	e38	37	35	27	0.49	0.25	0.10	0.14	0.00	0.13
27	26	29	e38	36	36	27	0.72	0.28	0.09	0.11	0.00	0.12
28	26	28	39	35	36	29	0.39	0.25	0.08	0.07	0.00	0.13
29	25	29	40	36	---	31	0.35	0.24	0.07	0.05	0.00	0.19
30	26	36	42	e35	---	30	0.28	0.24	0.08	0.04	0.00	0.18
31	30	---	41	e35	---	32	---	0.22	---	0.03	0.00	---
TOTAL	390.54	1064	1159	1115	1054	1025	184.08	9.88	4.04	2.68	0.56	2.74
MEAN	12.60	35.47	37.39	35.97	37.64	33.06	6.136	0.319	0.135	0.086	0.018	0.091
MAX	30	42	42	41	43	38	25	0.57	0.21	0.14	0.08	0.19
MIN	0.21	28	33	30	35	24	0.28	0.22	0.07	0.03	0.00	0.00
AC-FT	775	2110	2300	2210	2090	2030	365	20	8.0	5.3	1.1	5.4

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2002, BY WATER YEAR (WY)

	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	19.46	41.30	41.30	39.26	43.05	43.19	30.05	72.77	81.36	15.87	14.50	11.04																																																																												
MAX	66.9	70.1	62.7	65.6	65.5	85.8	144	622	1113	134	136	49.6																																																																												
(WY)	1984	1983	1985	1969	1930	1916	1984	1984	1983	1983	1936	1936																																																																												
MIN	0.000	18.0	18.9	19.1	21.5	22.3	1.93	0.32	0.000	0.000	0.000	0.000																																																																												
(WY)	1932	1991	1991	1973	1935	1935	1935	2002	1934	1934	1931	1924																																																																												

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1915 - 2002
ANNUAL TOTAL	6729.34	6011.52	
ANNUAL MEAN	18.44	16.47	37.69
HIGHEST ANNUAL MEAN			180
LOWEST ANNUAL MEAN			9.83
HIGHEST DAILY MEAN	82	May 18	1700
LOWEST DAILY MEAN	0.05	Jun 25	0.00
ANNUAL SEVEN-DAY MINIMUM	0.06	Jun 24	0.00
ANNUAL RUNOFF (AC-FT)	13350	11920	27300
10 PERCENT EXCEEDS	38	38	59
50 PERCENT EXCEEDS	20	2.9	30
90 PERCENT EXCEEDS	0.18	0.05	0.60

e Estimated